✓ **¡Felicitaciones! ¡Aprobaste!**

Calificación recibida 85,71 %   **Para Aprobar** 80 % o más

Ir al siguiente elemento

Week 1 Quiz

Calificación de la entrega más reciente: 85.71 %

1. What is the difference between traditional programming and Machine Learning?

1 / 1 punto

⦿ In traditional programming, a programmer has to formulate or code rules manually, whereas, in Machine Learning, the algorithm automatically formulates the rules from the data.

○ Machine learning identifies complex activities such as golf, while traditional programming is better suited to simpler activities such as walking.

✓ **Correcto**
Exactly! Machine learning algorithms build a model based on sample data, known as "training data", in order to make predictions or decisions without being explicitly programmed to do so.

2. What do we call the process of telling the computer what the data represents (i.e. this data is for walking, this data is for running)?

1 / 1 punto

○ Learning the Data

⦿ Labelling the Data

○ Categorizing the Data

○ Programming the Data

✓ **Correcto**
Yes! Labeling typically takes a set of unlabeled data and augments each piece of it with informative tags.

3. What is a Dense?

0 / 1 punto

○ An amount of mass occupying a volume

○ A layer of disconnected neurons

⦿ A layer of connected neurons

○ A single neuron

⊗ **Incorrecto**
Correct! In Keras, dense is used to define a layer of connected neurons.

4. How do you measure how good the current 'guess' is?

1 / 1 punto

⦿ Using the Loss function

○ Figuring out if you win or lose

○ Training a neural network

✓ **Correcto**
Absolutely! An optimization problem seeks to minimize a loss function.

5. What does the optimizer do?

○ Measures how good the current guess is

○ Figures out how to efficiently compile your code

○ Decides to stop training a neural network

◉ Generates a new and improved guess

✓ **Correcto**
Nailed it! The optimizer figures out the next guess based on the loss function.

6. What is Convergence?

○ A dramatic increase in loss

○ An analysis that corresponds too closely or exactly to a particular set of data.

○ A programming API for AI

◉ The process of getting very close to the correct answer

✓ **Correcto**
That's right! Convergence is quen guesses get better and better closing to a 100% accuracy.

7. What does model.fit do?

◉ It trains the neural network to fit one set of values to another

○ It optimizes an existing model

○ It determines if your activity is good for your body

○ It makes a model fit available memory

✓ **Correcto**
Correct! The training takes place on the fit command.